



**THE DATASHEET OF  
DF37B-34DP-0.4V(51)**



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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD						
RATING	OPERATING TEMPERATURE RANGE	-35°C TO +85°C (NOTES 1)	STORAGE TEMPERATURE RANGE	-10°C TO +60°C		
	VOLTAGE	30V AC	APPLICABLE CONNECTOR	DF37*-34DS-0.4V (**)		
	CURRENT	0.3A				
<b>SPECIFICATIONS</b>						
ITEM		TEST METHOD		REQUIREMENTS		
GENERAL EXAMINATION		CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		
MARKING		CONFIRMED VISUALLY.		X	X	
<b>ELECTRIC CHARACTERISTICS</b>						
CONTACT RESISTANCE		20mV AC OR LESS 1kHz, 1mA.		100mΩ MAX.	X —	
INSULATION RESISTANCE		100V DC.		50MΩ MIN.	X —	
VOLTAGE PROOF		100V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X —	
<b>MECHANICAL CHARACTERISTICS</b>						
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.		INSERTION FORCE 40.8 N MAX.	X —	
				EXTRACTION FORCE 6.9 N MIN.	X —	
MECHANICAL OPERATION		10TIMES INSERTIONS AND EXTRACTIONS.		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
VIBRATION		FREQUENCY 10 TO 55 TO 10 Hz, APPROX 5min, SINGLE AMPLITUDE 0.75 mm, 10CYCLES, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
SHOCK		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → +85 °C TIME 30 → 30 min UNDER 5 CYCLES. (RELOCATION TIME TO CHAMBER : WITHIN 2~3 MIN)		① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 50MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.		① CONTACT RESISTANCE: 100mΩ MAX. ② INSULATION RESISTANCE: 25MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
SULPHUR DIOXIDE		EXPOSED IN 25 PPM FOR 96h, 25°C, 75%. (REFER TO JIS C 60068)		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
SALT MIST		EXPOSED IN 5% SALT MIST FOR 48h.		① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	X —	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	
	1	DIS-H-004693		KR. AJITO	TS. MIYAZAKI	
REMARKS				APPROVED	DATE	
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT				MO. NAKAMURA	07.03.29	
Unless otherwise specified, refer to JIS C 5402 and IEC 60512				CHECKED	07.03.29	
				DESIGNED	KY. MIDORIKAWA	07.03.29
				DRAWN	KY. MIDORIKAWA	07.03.29
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO. ELC4-315554-01		
	SPECIFICATION SHEET			PART NO.	DF37B-34DP-0.4V (51)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL684-3064-2-51	
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